DECLARATION FOR UTILITY PATENT APPLICATION

AS A BELOW-NAMED INVENTOR, I HEREBY DECLARE THAT:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: SINGLE-CHAIN BIFUNCTIONAL GLYCOPROTEIN HORMONES, the specification of which is attached hereto unless the following box is checked:

was filed on 17 November 1997 as United States Application Serial No...

I HEREBY STATE THAT I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE.

I acknowledge the duty to disclose information which is material to the patentability as defined in 37 C.F.R. § 1.56.

I hereby appoint the following attorneys and agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Thomas E. Ciotti (Reg No. 21,013) Gladys H. Monroy (Reg No. 32,430) Paul Schenck (Reg No. 27,253) Freddie K. Park (Reg No. 35,636) Shmuel Livnat (Reg No. 33,949) Antoinette F. Konski (Reg No. 34,202) Stuart P. Kaler (Reg No. 35,913) Robert Saltzberg (Reg No. 36,910) Mani Adeli (Reg No. 39,585) Sean Brennan (Reg No. 39,917) Robert K. Cerpa (Reg No. 39,933) Lee K. Tan (Reg No. 39,447) Madeline I. Johnston (Reg No. 36, 174) Stephen C. Durant (Reg No. 31,506) Hector Gallegos (Reg No. 40,614) Charles D. Holland (Reg No. 35,196) Michael Hetherington (Reg No. 32,357) Thomas D. Mays (Reg No. 34,524) Wen Liu (Reg No. 32,822)

Kate H. Murashige (Reg No. 29,959) Debra A. Shetka (Reg No. 33,309) E. Thomas Wheelock (Reg No. 28,825) Susan K. Lehnhardt (Reg No. 33,943) Tyler Dylan (Reg No. 37,612) Harry J. Macey (Reg No. 32,818) David L. Bradfute (Reg No. 39,117) Laurie A. Axford (Reg No. 35,053) Catherine M. Polizzi (Reg No. 40,130) J. Michael Schiff (Reg No. 40,253) Ronald D. Devore (Reg No. 39,958) Alan W. Cannon (Reg No. 34,977) Dahna S. Pasternak (Reg No. 41,411) Frank Wu (Reg No. 41,386) Barry E. Bretschneider (Reg No. 28,055) Mark R. Carter (Reg No. 39,131) Edward V. Donahue (Reg No. 35,492) Thomas G. Wiseman (Reg No. 35,046) Ararat Kapouytian (Reg No. 40,044)

Please direct all communications to:

Kate H. Murashige Morrison & Foerster LLP 2000 Pennsylvania Avenue, N.W. Washington, D.C. 20006-1888

Please direct all telephone calls to Kate H. Murashige at (202) 887-1533.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date

Name:

Irving BOIME

Residence:

St. Louis, Missouri 63141

Citizenship:

United States

Post Office Address:

27 Oak Park Drive, St. Louis, Missouri 63141